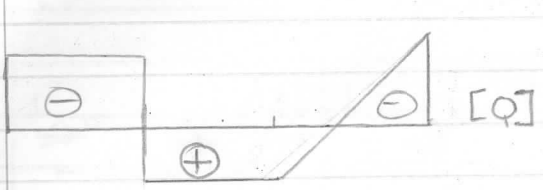
10/4/2009



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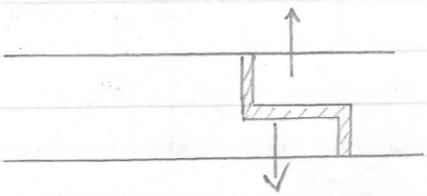
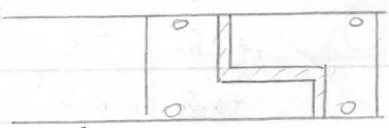
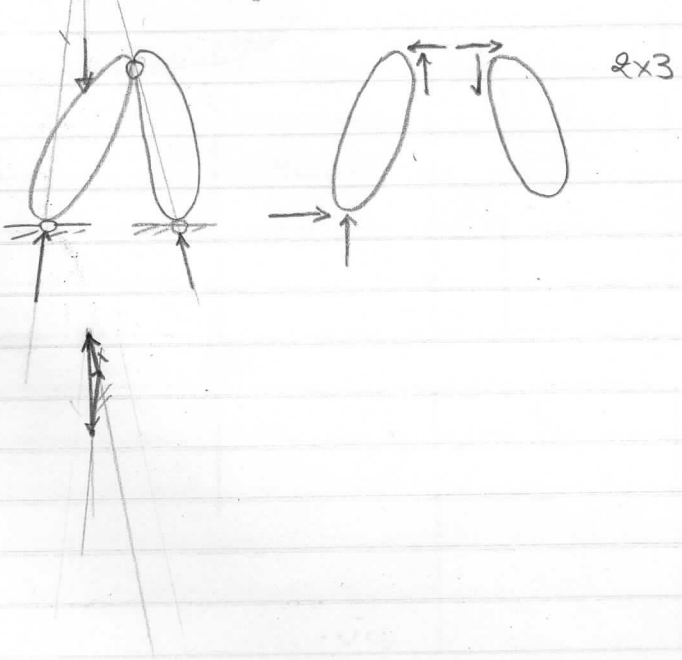
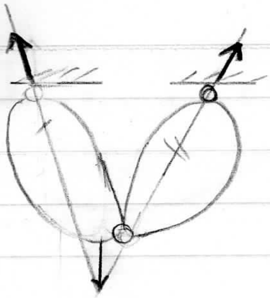




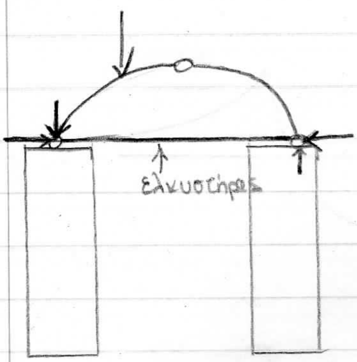
Τριαρθρωτά τόξα

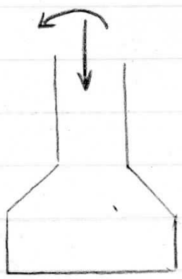


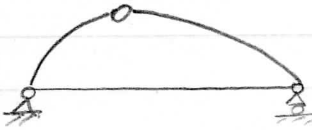
Καλωδιακή λειτουργία

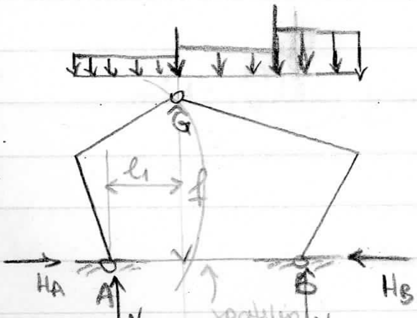


Δυναμοπολύγωνο





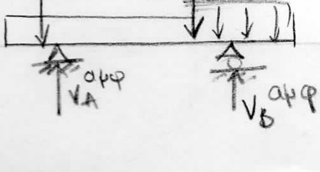




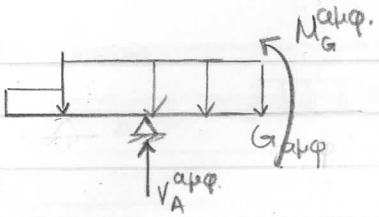
A-B: γραμμή στήριξης ⊥ στη φόρτιση
⟹ Ισοϋψές στ. έδαφος

$\Sigma M_B = \overset{+}{0} = V_A l - \Sigma M_\rho^B \rightarrow V_A \equiv V_A^{αμφ.}$

$\Sigma M_A = \overset{+}{0} = -V_B l + \Sigma M_\rho^A \rightarrow V_B \equiv V_B^{αμφ.}$



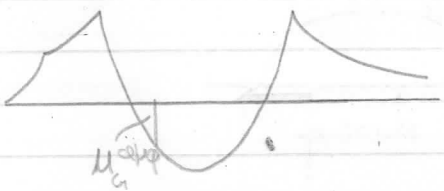
$\Sigma M_G^{αρ} = \overset{+}{0} = V_A l_1 - \Sigma M_\rho^{G,αρ} - H_A f$

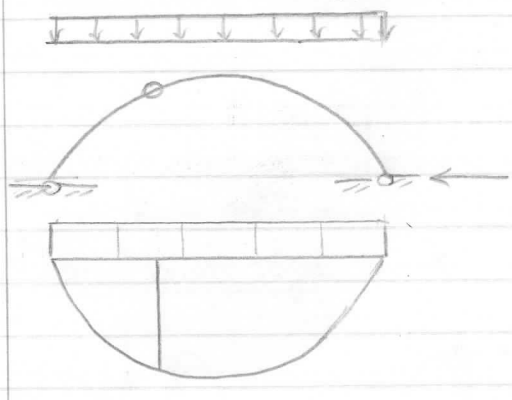


$$\Sigma M_{G\,\alpha\lambda\varphi} \overset{+}{=} 0 = V_A \cdot \ell - \Sigma M_p^{G\alpha\lambda\varphi} - M_G^{\alpha\lambda\varphi}$$

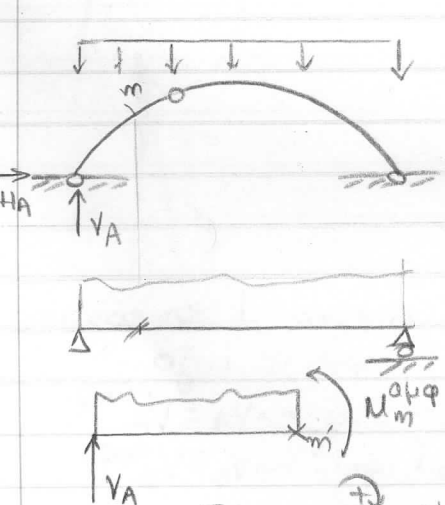
$$\boxed{H_A = \frac{M_G^{\alpha\lambda\varphi}}{f}}$$

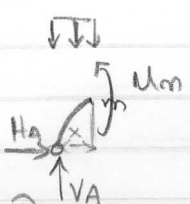
$$\boxed{H_A = H_B = H = \frac{M_G^{\alpha\lambda\varphi}}{f}}$$





Χαλύβδινα τα τόξα → περισσότερη οικονομία





$$\Sigma M_m \overset{+}{=} 0 = (V_A \cdot x) - H_A \cdot y - (\Sigma M_p^m) - M_m$$

$$\Sigma M_{m'} = \overset{+}{0} = V_A \cdot x - \Sigma M_p^{m'} - M_m^{\alpha\lambda\varphi}$$

$$M_m = M_m^{\alpha\lambda\varphi} - H \cdot y \rightarrow y = \frac{M_m^{\alpha\lambda\varphi}}{H}$$